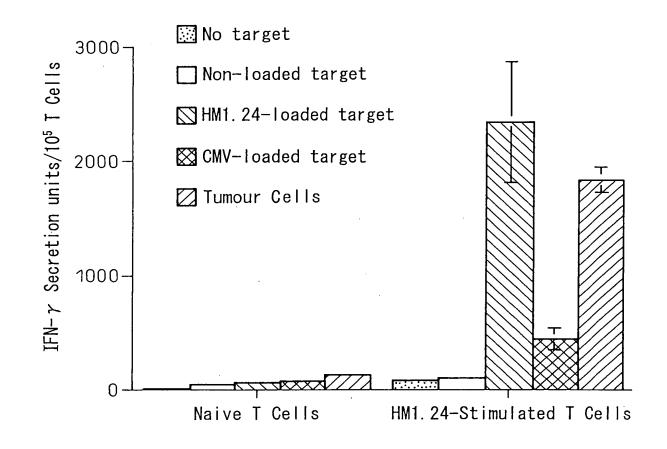
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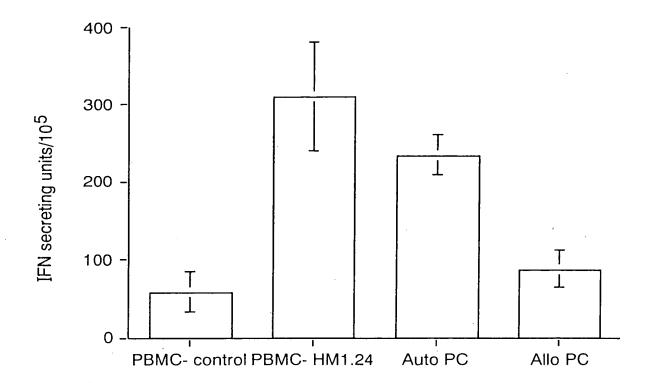
Fig.1

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Fig.2



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Fig.3

Flow cytometric-based Cytotoxicity Assays

Label Plasma cells with PKH 26

Incubate with Effector T cells for 4 hrs 37C (20:1 or 10:1 ratio)

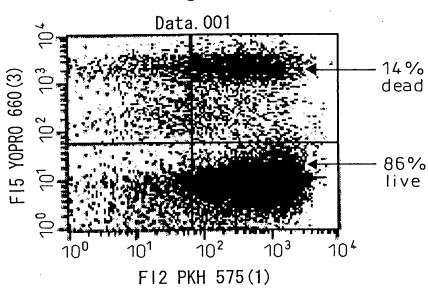
Add Topro-3 iodide to stain dead cells

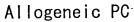
Run on flow cytometer

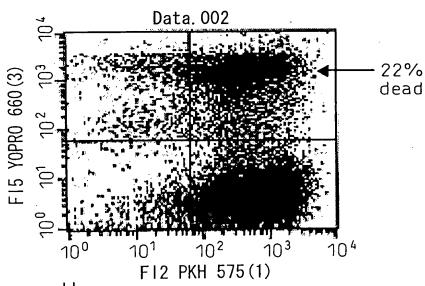
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4/₁₄
Fig.4

Autologous PC



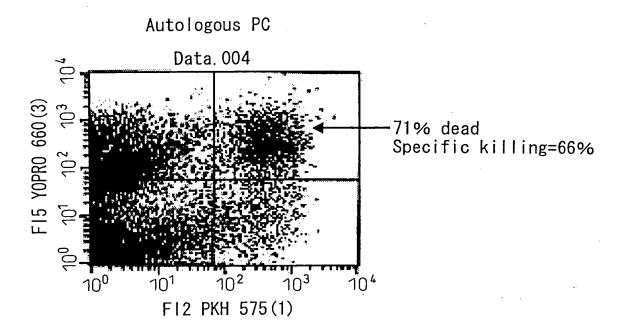


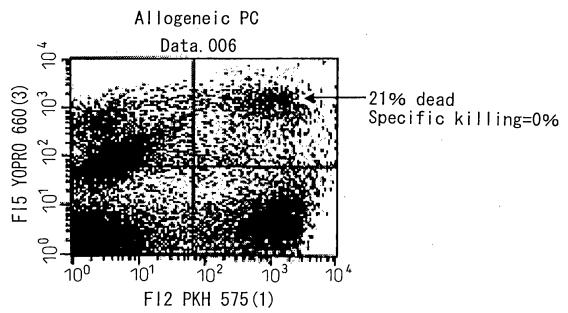


PC=plasma cells

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Fig.5



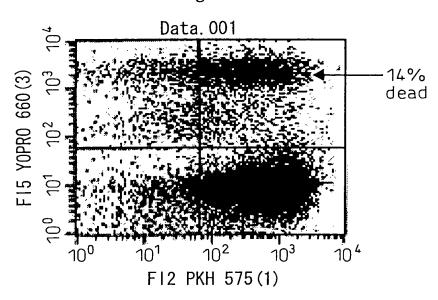


Specific killing=<u>% dead in test sample-background % death</u>
100%-background % death

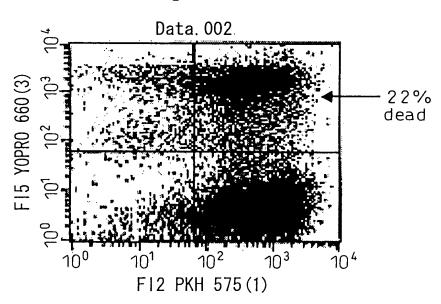
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⁶/₁₄ Fig.6

Autologous PC



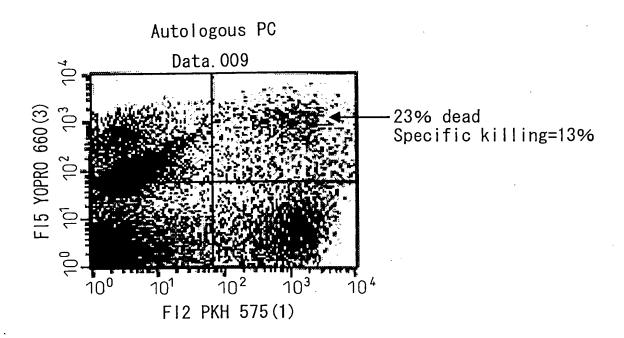
Allogeneic PC



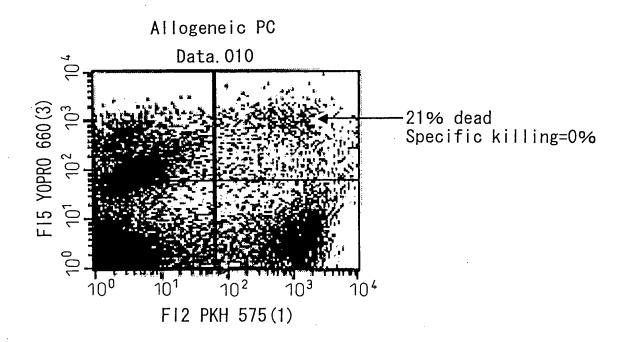
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Fig.7



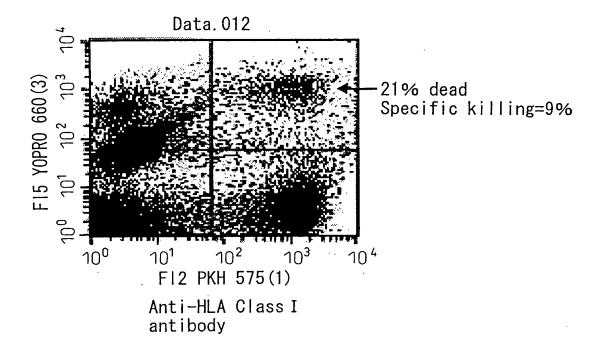
)



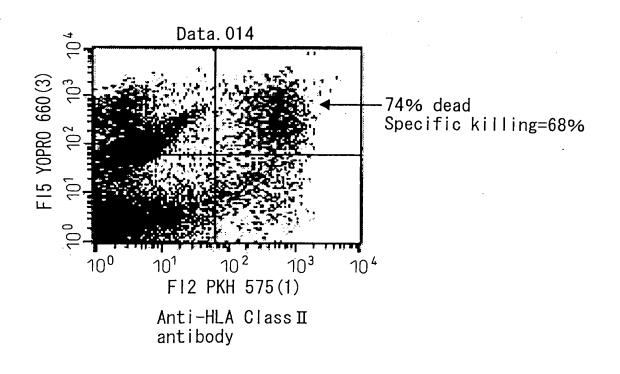
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Fig.8



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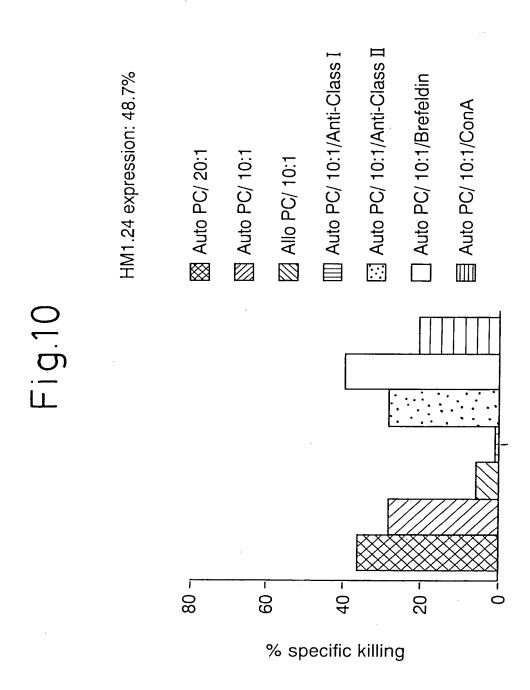
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∴ Auto PC/ 10:1/anti-Class II ■ Auto PC/ 10:1/Anti-Class I HM1.24 expression: 89.3% Auto PC/ 10:1/ConA ☑ Allo PC/ 10:1 80-1 -.09 40-20-

% specific killing

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HM1.24 expression: 99%

☑ Allo PC/ 10:1 ☑ Control CTL/Auto PC/ 10:1

■ Auto PC/ 10:1/Anti-Class]

☑ Auto PC/ 10:1/Anti-Class II ☐ Auto PC/ 10:1/Brefeldin

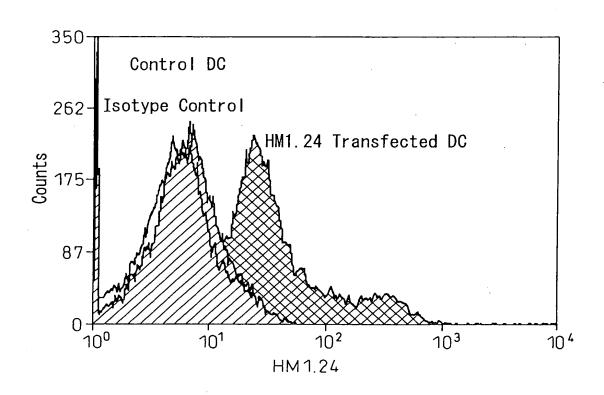
■ Auto PC/ 10:1/ConA

40 -.09 20. 80

% specific killing

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Fig.12



Title: HM1.24-UTILIZING CANCER

VACCINES

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Fig.13

△ Auto PC/ 10:1
 △ Allo PC/ 10:1
 ☑ Control CTL/Auto PC/ 10:1
 ☑ Control CTL/Allo PC/ 10:1
 ☑ Auto PC/ "cold" inhibition with HM1.24-DC at 3:1
 ☑ Auto PC/"cold" inhibition with control DC at 10:1
 ☑ Auto PC/ "cold" inhibition with control DC at 10:1

% specific killing

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HM1.24 expression: 89%

Matto PC/ "cold" inhibition with control DC Mato PC/"cold" inhibition with HM1.24-DC Auto PC/ 10:1/Anti-Class II 🔳 Auto PC/ 10:1/Anti-Class I ☑ Allo PC/ 10:1 100 ₇ 20 75 25 0 % specific killing

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